**3GPP TSG-SA3 Meeting #106-e *draft\_S3-220302-r1***

e-meeting, 14 - 25 February 2022

**Title: Draft Reply LS on LTE User Plane Integrity Protection**

**Response to: Reply LS in S3-220039/R3-221473 on LTE User Plane Integrity Protection from RAN3**

**Release: 17**

**Work Item:** **UPIP\_SEC\_LTE**

**Source:** **SA3**

**To:** **RAN3, SA2**

**Cc: CT4, CT1, RAN2**

**Contact person: Monica Wifvesson (Ericsson)**

 **monica dot wifvesson at @ ericsson dot com**

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** none

# 1 Overall description

SA3 thanks RAN3 for their LS reply on LTE User Plane Integrity Protection in S3-220039/R3-221473. SA3 has the following answers to the comments and questions mentioned in the LS.

*RAN3 thanks SA3 for their LS in S3-214462/R3-220128. RAN3 is taking this information into account (along with the CRs agreed in SA2, CT4 and CT1), but only to the extent that is described by the WID agreed by RAN plenary in RP-213669 which, in particular, restricts the scope to EN-DC capable UEs.*

[SA3 answer]: SA3 acknowledge the information that RAN plenary has restricted the scope to EN-DC capable UEs.

1. *(for SA3) In case of handover from a UPIP supporting eNB to a UPIP non-supporting eNB, would it be acceptable to SA3 if occasionally some packets over bearers with UPIP policy set to “required” are sent without integrity protection before the CN triggers the release of the bearer?*

[SA3 answer]: SA3 agree that in case this happens, the CN must immediately trigger the release of such bearers.

1. *(for SA3 and SA2) RAN3 has noted the functionality difference between EPS and 5GS, e.g., when UPIP policy is ‘preferred’, the NG-RAN node is required to notify if the UPIP is performed or not.*

[SA3 answer]: In EPS/LTE, SA3 currently does not have any requirement for the RAN (eNB) to notify Core Network when UP IP policy is set to ‘Preferred’. SA3 only requires that RAN (eNB) to inform the CN if the RAN cannot fulfil the UP IP policy set to ‘Required’. However SA3 agrees to align the behaviour with 5GS, i.e. notify the CN if UPIP is performed or not when UPIP policy is 'preferred'.

About the following comment in the LS:

*With regard to the reduced scope of the RAN WID, RAN 3 would like to inform SA3 that they do not plan to provide specification changes to support UPIP when using LTE-LTE Dual Connectivity.*

[SA3 answer]: SA3 acknowledge the information that RAN3 does not plan to provide specification changes to support UP IP when using LTE-LTE Dual Connectivity in Rel-17 and SA3 will update SA3 specification in TS 33.401 accordingly.

# 2 Actions

**To RAN3 group:**

**ACTION:** SA3 kindly requests RAN3 to take the responses provided above into account**.**

# 3 Dates of next TSG SA WG 3 meetings

SA3#106-Bis 4 - 8 April 2022 electronic meeting

SA3#107 16 - 20 May 2022 electronic meeting